

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A computer readable recording medium storing a program for performing a method of implementing a tree of distributed objects ~~in different processes~~, wherein a central directory is adapted to store information on objects in a data structure at a root of the tree, said method comprising assigning to a father object in a process, for each of one or more son objects:

information corresponding to a physical address ~~if when~~ at least one of said each of one or more son objects is contained in a same process, or

information referring back to said central directory ~~if when~~ another at least one of said each of one or more son objects is not contained in the same process.

2. (previously presented): The computer readable recording medium according to claim 1, wherein if the central directory receives a request for access to a first object identified by a logical name identifying a logical access path of said first object from the central directory, the central directory searches its data structure for a logical name received in order to send the request directly to said first object or, if said logical name is not in the central directory, the central directory searches for a logical name with a longest character string equal to a first part of the character string of the logical name received, in order to send to said father object the

request, by providing said father object with information corresponding to the logical access path of the first object relative to said father object.

3. (previously presented): The computer readable recording medium according to claim 2, wherein said father object which receives said request sends the request to said first object if it is a son object of the process of the father object or returns a message to the central directory.

4. (previously presented): The computer readable recording medium according to claim 1, wherein the central directory manages redundancy of processes by selecting one of the processes relating to a requested object.

5. (previously presented): The computer readable recording medium according to claim 1, wherein if said father object of the process receives a request relating to at least one of said one or more son objects directly, said father object returns that request to the central directory if said at least one of said one or more son objects is not contained in the process of said father object.

6. (previously presented): The computer readable recording medium according to claim 5, wherein the at least one of said one or more son objects is identified in said request by a logical name defining a first logical access path of said at least one of said one or more objects from said father object, and wherein said father object returns said request to the central directory with a first character string of said logical name preceded by a second character string corresponding to a logical name of said father object defining a second logical access path from the central directory.

7. (previously presented): The computer readable recording medium according to claim 1, wherein the central directory contains at least information relating to each root object of each process.

8. (previously presented): The computer readable recording medium according to claim 1, wherein the method applies to a distributed object environment based on a manager of a CORBA type.

9. (previously presented): The computer readable recording medium according to claim 1, wherein the method applies to a distributed object environment based on a manager of a DCOM type.